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Before Using This Product

Communication Regulation

FCC Compliance

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna;
- Increase the separation between the equipment and receiver;
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected;
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause un- desired operation.

Canada Class B Statement

This Class B device meets all requirements of the Canadian interference-causing equipment regulations.
Cet appareil numerique de la Class B respecte toutes les exigencies du Reglemensur le materiel brouilleur du Canada

Important Safety Instructions

Improperly use of this electronic device may cause injury to your body and damage the property as well. This LCD TV device has designed and manufactured to meet international industrial safety standard. Same as other home electronic devices, you need to operate this equipment carefully in order to obtain the best performance of this equipment and to ensure the safety of using it. Before you start to use this equipment, please read and thoroughly understand what it is described below。

- If you realize any weird symptom on your TV when it is turned on and under operation, such as stinky smell, smoking, please unplug the power cable and inform our near by service office。
- This device is equipped with high voltage inside, please keep it in a dry place and don't open the back cover to do any picture adjusting or cleaning the inside components. It is easy to get electrical body injury and very possible to cause a fire.
- Please do not use any peripheral with this LCD TV set, which is not recommended by the manufacture. Improper use of it may easy to damage this device and cause an accident.
- Before moving this device, please remember to unplug the power cable. Never try to move this device while its power cable is still plugged to the power outlet on the wall. It may cause fire and damage to your property if you are doing so. If you drop this device on the floor while moving it, please inform service office immediately to get a safety checking.
- In order to avoid firing and property damage as the consequence, please do not place this LCD TV in a place which the temperature will go beyond 35℃ or below 5℃, or in a humidity condition that is lower than 10% and higher than 80%.
- When you place this LCD TV in a cabinet or in a narrowed location, please keep this area in a good ventilation condition.
- Mesh screen on the back cover is for air flow, which prevents over heat from occurring. This area shouldn't be covered.
- Keep this device away from any heat generator, such as portable heater, gas heater, and stove.
- When you know this device will not be used for a long period, please unplug the power cable. Doing this will protect your LCD TV away from the damage which is happened due to suddenly unstable voltage.
- Don't plug this device to a power outlet, which is already overloaded. It will lead a fire and/or electrical shock.
- Keep a safety distance among devices, which have power applied, keep good ventilation in that area or it will easy to cause a fire.
- Take battery out from the remote control unit if it is not been used for a long period. Keep batteries in a dry and cool place.
- Do not spread any liquid to your LCD TV.
- Install this TV device stably, keep it away from touching by the children
- Due to the big size, it is recommended to have at least two adults when install this device.
- Please don't place this device on a table with wheel to avoid any damage caused by falling down.

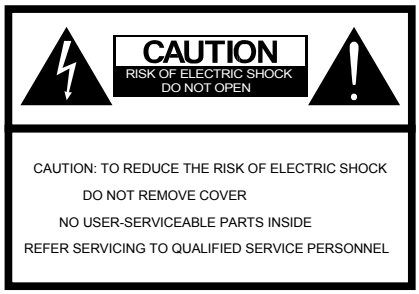
Safety Information

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio or television reception. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio and television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna;
- Increase the separation between the equipment and receiver;
- Connect the equipment into an outlet on a circuit from that to which the receiver is connected.

Caution

To prevent fire, shock hazard, or interference, only use the recommended accessories. To prevent electric shock, do not use the plug with an extension cord, receptacle, or other outlet unless the blades can be fully inserted to prevent blade exposure. To reduce the risk of electric shock, do not remove the unit cover or back. There are no serviceable parts inside. Refer servicing to a qualified personnel only.


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK
DO NOT REMOVE COVER
NO USER-SERVICEABLE PARTS INSIDE
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL

This symbol is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute risk of fire or electric shock

This symbol is intended to alert the user to the presence of important operating and maintence instructions in the literature accompanying this product

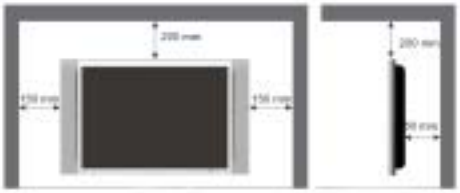
Maintenance and Precaution

- Do not remove the cover or back of the TV. Any unauthorized changes or modification to the product will void the user's warranty.
- Do not place the TV in a closed compartment. This will overheat the TV.
- Turn off the product if liquid is accidentally spilled into the TV. Contact your local dealer for assistance.
- Do not expose the TV to rain or moisture.
- According to the industrial standards, when pulling the power cord from the outlet, hold the power plug instead of the cord.
- Make sure the power cord from the AC outlet is unplugged, and disconnect from the antenna if the TV is left unattended and unused for a long period. This will prevent damages to the TV lighting and power-line surge.
- Do not expose the TV to heat sources such as radiators, heaters, stoves and other heat-generating products (including audio amplifiers).
- Unplug the power cord from the AC outlet before cleaning the TV. Use specific screen cleaner kit for LCD screens. Do not use liquid cleaners or aerosol cleaners
- Do not use this TV with an extension cord or power bar; this can cause a fire or an electric shock..
- Do not place heavy items or belongings on the top of the TV.
- Hand carry the TV with at least another person.

Getting Started (Preparation)

Distance recommendations:

Avoid improper installation and never position the unit where ventilation is impossible. When installing this TV, distance recommendations must be maintained between the set and the wall, as well as inside a tightly enclosed area or piece of furniture. Refer to the minimum distance guidelines shown for a safe operation.



Cleaning the screen:

The screen is coated with a special thin film to reduce reflection. If this film is damaged, uneven colors, discoloration, scratches, and other problems that cannot be repaired may occur. Pay attention to the following when handling the screen.

- Do not use glue or adhesive tape on the screen.
- Do not write on the screen.
- Do not allow the screen to come in contact with any hard objects.
- Do not allow condensation to form on the screen.
- Do not use alcohol, thinner, benzene or other solvents on the screen.
- Do not rub the screen forcefully.

CAUTION:

- Operate only from the power source specified (AC 120V) on the unit.
- Avoid damaging the AC plug and cord.
- When you are not using this unit for a long period of time, it is recommended that you disconnect the power cord from the main outlet.
- **When the source has no signal to input, TV will be "Auto Power Off" after 15 minutes.**

POWER CORD CONNECTION:

Connect the power cord, after completing all other connections.

1. Connect the power cord to this device
2. Connect the power cord to the power outlet.

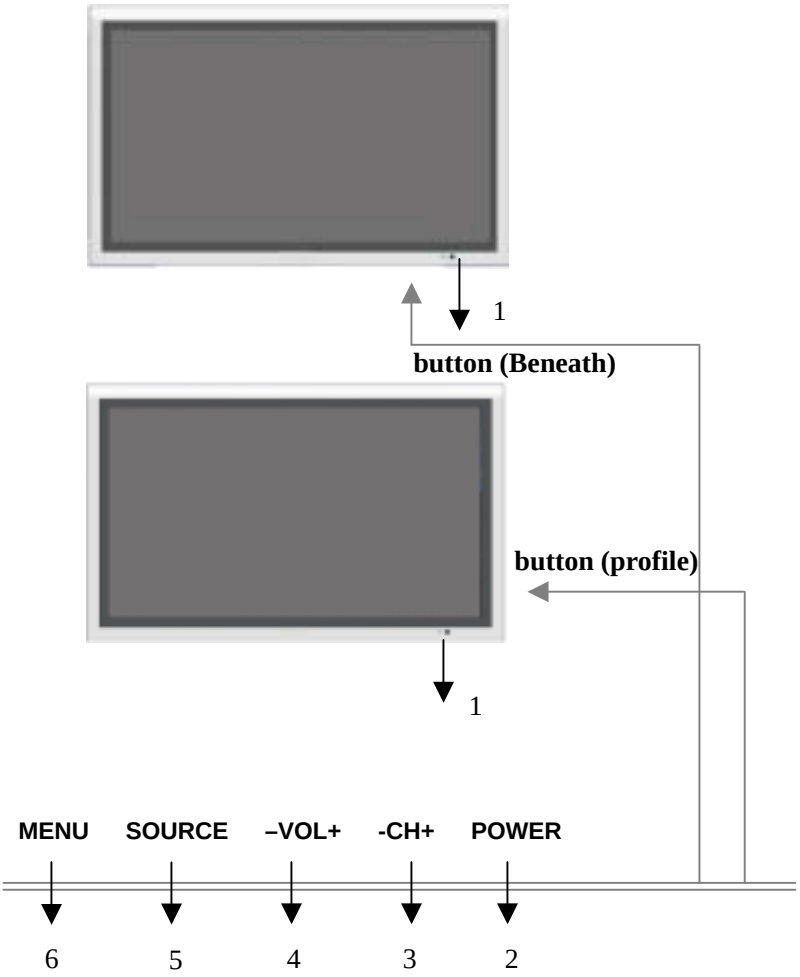
Introduction Your Television

Supplied Accessories

The following items come along with your LCD TV:

	Remote control
	Two AAA batteries
	Power Cord
	User Manual
	Warranty Card

TV Control Functions



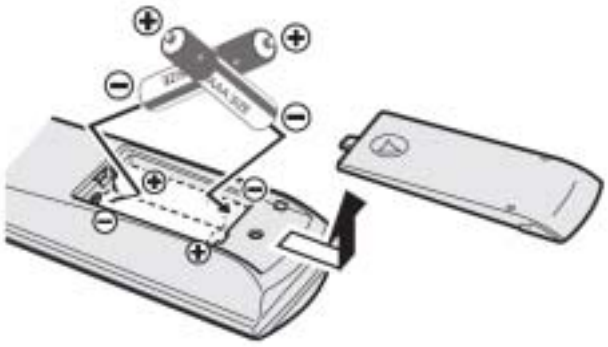
1	LED Indicators	The LED indicator light up in 2 different colours green, red. Each colours represent different status. Green - Power is on; Red - Standby.
2	POWER	Press this button to turn the power on/standby.
3	－CH+	Press to change channel/when is menu mode, these acts as navigation keys.
4	－VOL+	Press to adjust the volume/when is menu mode, these acts as navigation keys.
5	SOURCE	Video input selection. Press this button to display the menu for input selection mode.
6	MENU	Press this button to display the OSD menu. It contains all the options to configure your TV's settings.

Setting Up the Remote Control

1. Open the lid of your remote control battery compartment on the back of the remote control.

2. Insert two AAA batteries. Use the (+) and (–) marks to guide you. The (+) marks on your batteries correspond to the (+) marks on the compartment. The (–) marks on your battery correspond to the (–) marks on the compartment.

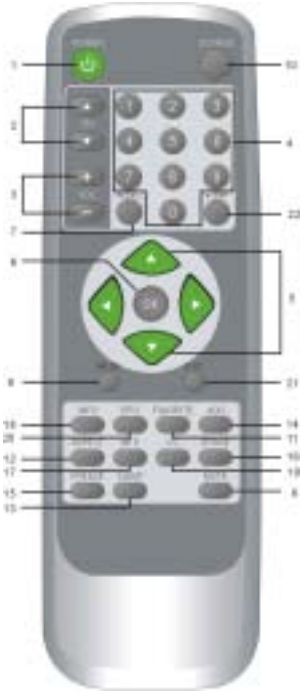
   Note: Do not mix new and old or different kind of batteries



3. Put the lid back onto the remote control battery compartment.

Remote Control Functions

The table below explains each button's function.

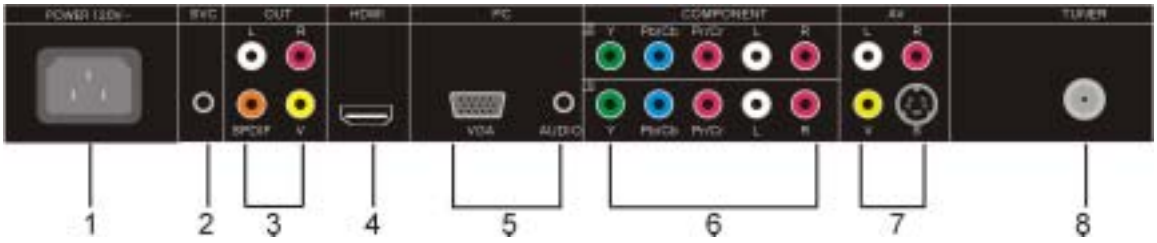


1	⏻	Power on/off.
2	CH▲/CH▼	Press these keys to change the channels.
3	VOL +/VOL -	Press these keys to adjust volume.
4	0~9	Numerical keys to select desired channel
5	▲▼	Navigation keys in Setup menu.
	◀▶	Navigation keys in Setup menu.
6	OK	Press this key to confirm selection.
7	RECALL	Recall last channel.
8	MUTE	Press this key to turn off the sound. Press the "MUTE" button again or press "VOL+/ VOL-" to enable sound.
9	MENU	Press this key to display the OSD menu. In the OSD menu, press this key to exit the menu.
10	SOURCE	Press this key to display the video source selection menu.
11	FAVORITE	Press to switch your favorite channels
12	ASPECT	Choose from widescreen, 4: 3 video,16: 9 zoom. (More details on Page20)
13	SLEEP	Activates the sleep timer.
14	ADD	Press to add current channel. (All sub channels will adds)
15	FREEZE	Press this key to freeze current frame from the screen.
16	ERASE	Press to skip the current channel in CH-Up, CH-Down and favorite channel.
17	MTS	Switch among MONO, stereo and SAP.
18	INFO	Press to display information about the current source.
19	C.C.	Turns the closed caption on or off
20	EPG	Opens the program guide & show all active channels. (For digital channels only)
21	EXIT	To exit menu or function select.
22	-/DRF	Minor channel indicator or DRF (Direct Digital RF Channel tune)

Inputs and Outputs

Your LCD TV has five types of video connections. You should capitalize on the best connection available from your LCD TV to get the best display quality. For example, if you have a progressive DVD player that supports a component video connection, you should connect the DVD player to your LCD TV using component video connections instead of composite video or S-video connections.

Cables
1.RCA composite video cable
2. S-video cable
3. RCA component video cable
4. RGB (VGA) video cable
5. HDMI A/V Cable



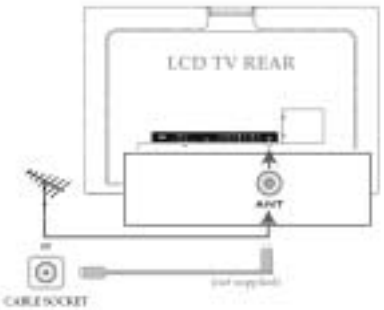
	Available Interface	Description	Recommended Devices
1	Power Input	AC 120V	
2	SVC	Service connector	Maintenance use only
3	Audio Outputs	Contains composite video, SPDIF and one pair of R/L audio outputs.	
4	HDMI	HDMI input	HDTV, Set-top Box, Progressive HD DVD Player.
5	PC Input	VGA input (PC Input) and audio inputs.	PC.
6	Component Inputs (Component 1 Component 2)	Component support both High Definition programs (720p/1080i) and standard definition programs (480i/ 480p)	Progressive DVD player, HDTV set-top- box, HD PVR, D-VHS, digital media player.
7	AV Inputs (AV1)	Contains S-video, composite video, a pair of R/L audio inputs.	Camcorder, non-progressive DVD player, digital camera, VCR.
8	TUNER	NTSC/ATSC/Clear QAM	

Connecting the Antenna or Analog Cable TV (CATV):

1. Disconnect the TV from all power sources before making any connections.

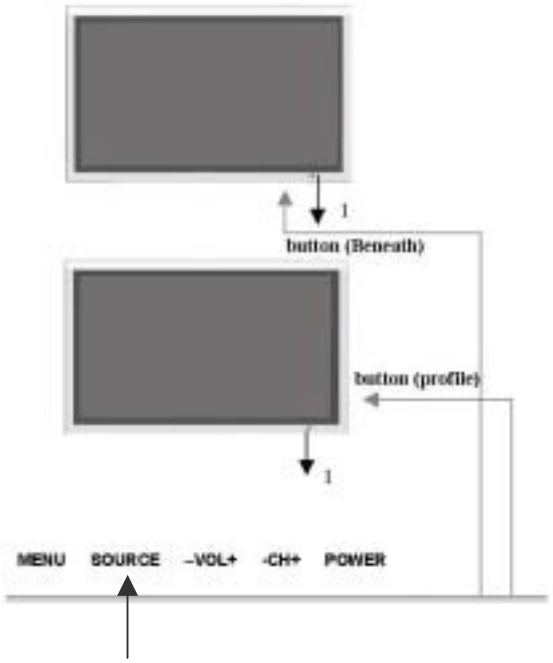
2. Use the coaxial cable (75 ohms) for connecting TV signal from your antenna or cable TV provider to the tuner input.

3. Hook up the cable to the TUNER input in the rear of the LCD TV.

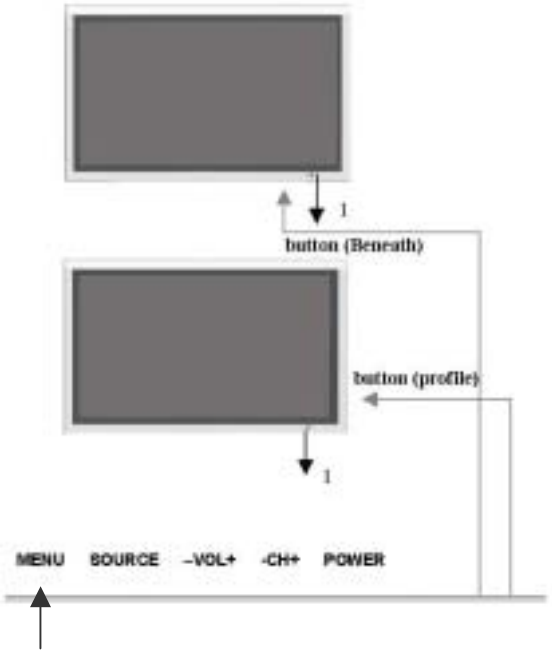


4. Connect the power cord of the LCD TV to a power outlet.

5. Press the “SOURCE” button on either the remote control or the TV controls and select TV on the source menu.



6. Press the “MENU” button on the remote control to display the OSD menu use ▲▼ or ◄► to navigate through the icons. In the first option (Channel), press “OK”. Choose the first option “Tuner Mode” and press “OK”. If your TV is connected to the antenna, choose Air. If your TV is connected to the cable television outlet, choose Cable. (For more information on the Channel menu, refer to Page 23.)

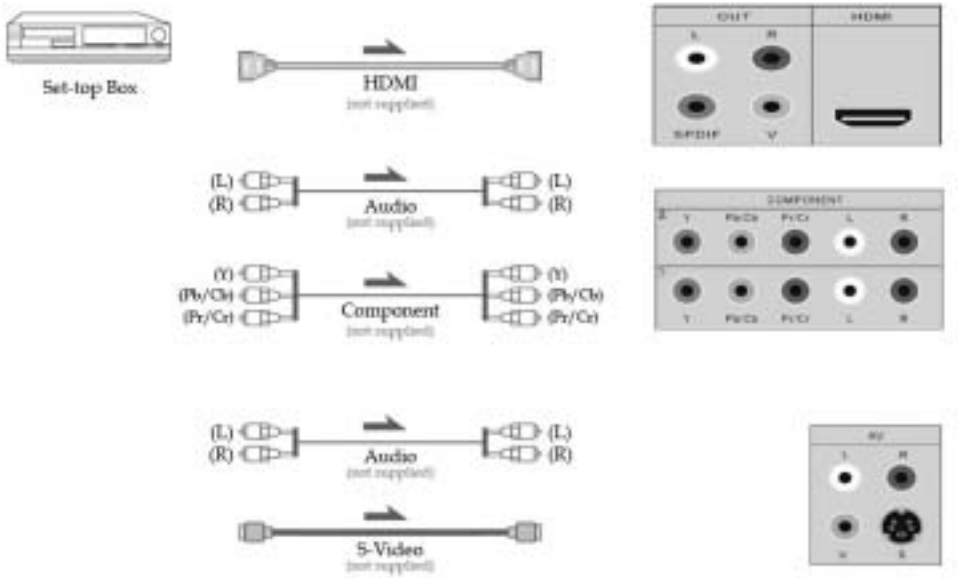


7. Then choose STD and press “OK”
   - STD-Standard
   - HRC-Harmonic Related Carrier
   - IRC-Incremental Related Carrier

8. In order for the LCD TV to detect available channels, press “MENU” and choose the first option “Channel” and press “OK”. Scroll down to “Auto Scan” and press “OK”. The television will automatically scan the available channels for you. (For more information on the channel menu, refer to Page 23)

Connecting the Digital Set-Top Box (Commonly Used For HDTVs, Satellite TVs, etc.):

1. Disconnect the TV and set-top box from all power sources before making any connections.
2. Use a HDMI cable, component video cable, or S-video cable to connect the HDMI, COMPONENT, or S-VIDEO output jacks of your digital set-top box to the HDMI, COMPONENT, or S-VIDEO input jacks in the rear of the LCD TV.



3. Use the AUDIO cables to connect the AUDIO (L/R) output jacks of your digital set-top box to the AUDIO (L/R) input jacks in the rear of the LCD TV. If you use the HDMI cable, you don't need to connect the audio cable between the two equipments. The HDMI cable transmits both digital video and audio signals.
4. Connect the power cords of your digital set-top box and LCD TV to the power outlets.

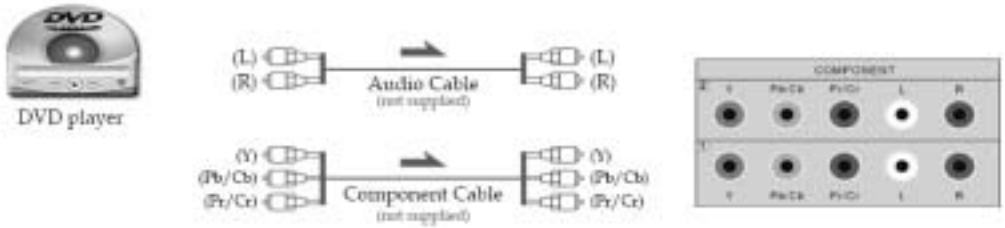
5. Press the “SOURCE” button on either the remote control or the TV controls. Select AV1(S-Video)/AV1(CVBS)/ YPbPr1 /YPbPr2/HDMI, depending on which input is the digital set-top box connected to. (Changing the source, refer to Page19)

Note:

1. It is strongly recommended that the user connects Digital Set-Top Box via HDMI connection if provided. HDMI signal is pure digital signal; therefore, it gives the best performance for HD programs.
2. If your digital set-top box doesn’t provide HDMI jacks, use the component cables for better picture quality or S-video cable for standard picture quality.

Connecting the Component Video:

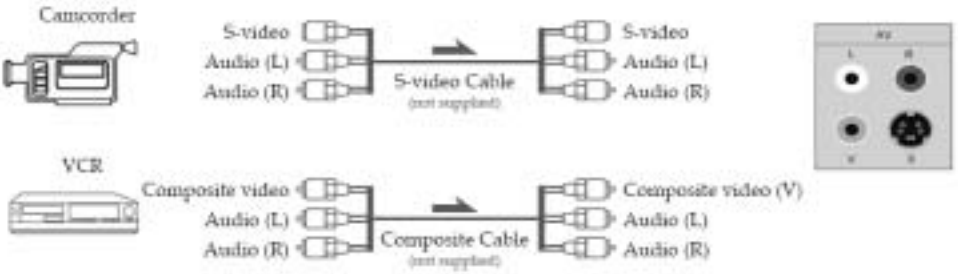
To connect your progressive DVD player or HD DVD Player via component video:



1. Connect the green Y jack on the back of your DVD player to the green component Y jack on the rear of the LCD TV.
2. Connect the red Pr/Cr jack on the back of your DVD player to the red Pr/Cr jack on the rear of the LCD TV.
3. Connect the blue Pb/Cb jack on the back of your DVD player to the blue Pb/Cb jack on the rear of the LCD TV.
4. Use the AUDIO Cable to connect the AUDIO (L/R) output jacks of your DVD Player with the AUDIO (L/R) input jacks in the rear of the LCD TV.
5. Press the “SOURCE” button of the remote control to select “YPbPr1“ or “YPbPr2”

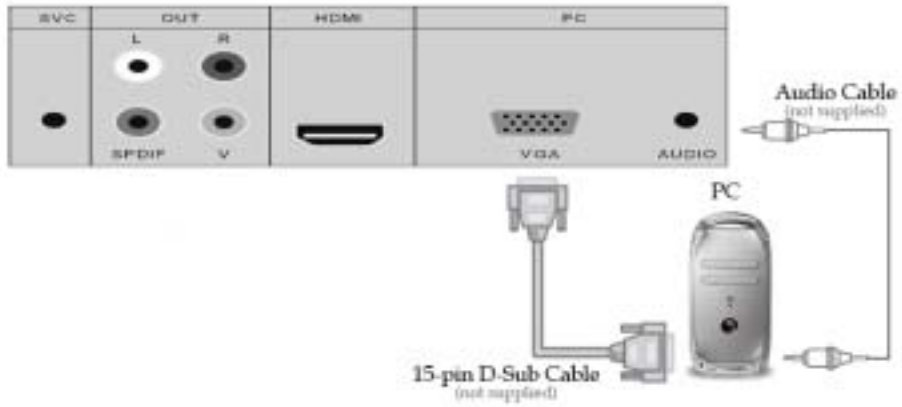
Connecting the S-Video or Composite Video:

This section shows you how to connect devices to the S-video and composite video inputs of your LCD TV. Most devices like VCRs, camcorders, non-progressive scan DVD players, etc only provide composite video output or S-video output. The steps below are to show you how to connect two devices simultaneously.



1. Connect the S-video on the back of your camcorder to the S-video under AV Input jack.
2. Connect the audio red (R) and white (L) on the back of camcorder to the audio red (R) and white (L) jacks on the rear of your LCD TV.
3. Connect the yellow video jack on the back of your VCR to the yellow composite video input jack on the rear of your LCD TV under AV Input.
4. Press the “SOURCE” button on the remote control to display the OSD setup menu and choose AV1 (CVBS) to display video from the VCR or choose AV1 (S-VIDEO) to display video from the camcorder.

Connecting the PC:



1. If you wish to connect a PC to the LCD TV, connect the 15-pin D sub RGB connector on your PC to the PC connector on the rear of the LCD TV.
2. Connect the audio output on your PC to the PC audio input on the rear of the LCD TV.
3. Press the “SOURCE” button on the remote control to select “VGA”.
4. You may configure your PC’s VGA resolution to optimized resolution on the LCD TV.

The recommended resolution of the LCD TV is 1024 x 768.

Connecting the HDMI:

1. Use a HDMI cable to connect the HDMI output jack of your external device to the HDMI input jack in the rear of the LCD TV.

1. Press the “SOURCE” button on either the remote control or the TV controls. Select HDMI. (Changing the source, refer to Page 19)

Note: HDMI connection includes both digital audio and video signals.

Setting Up Your Television

Changing the Source

1. Press the “SOURCE” button on either the remote control or TV controls.

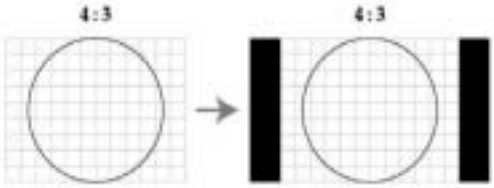
2. Repeat it according to selecting until wanting of “source”.

TV→AV1(CVBS)→AV1(S-Video)→YPbPr1→YPbPr2→HDMI→VGA

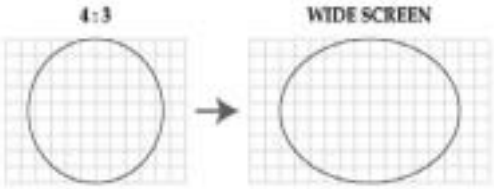
Note: When the source has no signal to input, TV will be “Auto Power off” after 15 minutes.

Aspect

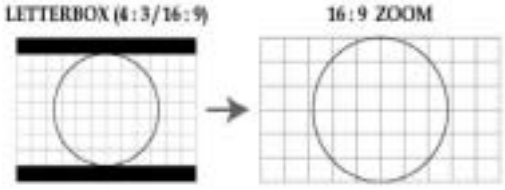
When the input is 4:3 (the image dimension usually used by cable television, and video cassette), the user might want to eliminate the “black spots” on the left and the right of the screen.



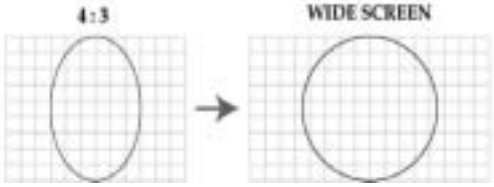
By doing this, the user might choose WIDE SCREEN, which distorts image by stretching the whole image horizontally



In most cases, widescreen videos (such as DVD movies’ widescreen modes) will have “black spots” on the top and the bottom of the screen (this is called letterbox). To eliminate this, the user may select 16:9 zoom.



Sometimes the television might receive widescreen signals. If the user sets the mode on 4:3, the image might be distorted into a thin image. By fixing this, the user may switch to widescreen mode



Accessing the OSD (On Screen Display) Menu

1. Press “MENU” on the remote control to start the OSD menu.

2. Use ▲▼◄► to navigate through the main function.

3. Press ► or “OK” to enter the highlighted category.

4. Use ▲▼ to navigate

5. Press “MENU” or ◄► to change the selected settings.

6 Press “EXIT” to exit the OSD menu or press “MENU” to switch to previous step.

Icon Description

There are 5 main functions (Channel, Picture, Sound, Functions, Setup) in the OSD menu. Before you start using the OSD menu, it is recommended that you read through the following icon descriptions.

	CHANNEL	◆ TUNER MODE ◆ AUTO SCAN ◆ CHANNEL EDIT ◆ SIGNAL STRENGTH ◆ EXTERNAL INPUT
	PICTURE	◆ PICTURE MODE ◆ BRIGHTNESS ◆ SATURATION ◆ CONTRAST ◆ SHARRNESS ◆ TINT ◆ RGB ◆ COLOR TEMP ◆ DNR ◆ BACKLIGHT CONTROL
	SOUND	◆ SOUND MODE ◆ TREBLE ◆ BASS ◆ BALANCE ◆ AVL ◆ AUDIO LANGUAGE ◆ DIGITAL AUDIO OUT
	FUNCTIONS	◆ AUTO LOCK ◆ CAPTION ◆ CAPTION OPTION ◆ CC BACKGROUND ◆ CAPTION TEXT ◆ EPG VIEW
	SETUP	◆ DATE/TIME ◆ POWER ON TIME ◆ POWER OFF TIME ◆ SLEEP ◆ MENU LANGUAGE ◆ MENU OPACITY ◆ EMERGENCY ALERT ◆ PC

Channel

How to set the parameters in the Channel menu

Function	Description	Options
Tuner Mode	This allows the user to switch between Air and cable TV.	Air(Analog antenna)/Cable(Cable TV)
Auto Scan	The auto scan helps the user to search for available channels on television.	Start/Stop
Channel Edit	This option allows the user to add/delete recognized channels.	ADD/DELETE Favorite
Signal Strength	User can recognize the signal strength with this.	Less than 50, unacceptable to watch 50~79, not stable More than 80, no problem in watching TV
External Input	User can select input video source with this selection.	TV(AIR/CABLE) AV1(CVBS) AV1(S-Video) YPbPr1 YPbPr2 HDMI VGA

Tuner Mode

1. Press MENU button.
2. Use ▲,▼ button to highlight“Channel” icon, then press “OK”
3. Use ▲,▼ button to make a choice from Air or Cable, then press “OK”
4. If choose cable, must choose STD, HRC or IRC again.

Press EXIT to exit the menu screen.

Press MENU button to switch to previous step on the menu screen.

Auto Scan

1. Press MENU button.

2. Use ▲,▼ button to highlight “Tuner Mode” icon, then press “OK”.

3.Choose the “Air” and press “OK”

4. Use ▲,▼ button to highlight “Auto Scan” icon, then press “OK”.

(Scan “Digital channel” after Analog channel” finish.)

5.It will automatically scan and store all of the channels that are available in your local area.

(To stop the auto searching, press “OK” button.)

6. The scanned channel is displayed when done.

7.It is possible to memorize user’s choice of channels as is done in Channel Edit Menu.

Press EXIT button to exit the menu screen.

Press MENU button to switch to previous step on the menu screen.

Use OK button to make selection.

Channel Edit

1. Press MENU Button.

2. Use ▲,▼ button to highlight“Channel” icon, then press “OK”.

3. Press ▲,▼ button to highlight “channel Edit” icon, then press “OK”

4. Use ▲,▼/◄,► button to select channels. Selected channels will be yellow colored. Then press “OK”button to add or delete channels. If channels added, user can see the “√”mark

5.Press “OK” button to add channels to the Favorite Channel, and press again to cancel adding. If channel added to the Favorite, can see the “♥” marks

Press EXIT button to exit the menu screen.
Press MENU button to switch to previous step on the menu screen.
Use OK button to make selection.

Signal Strength

1. Press MENU button.

2. Use▲,▼ button to highlight “Channel”icon, then press “OK”.

3. Use ▲,▼ button to highlight “Signal Strength” icon, then press “OK”.

•Less than 50, unacceptable to watch

•50~79, not stable

•More than 80, no problem in watching TV

❖Press EXIT to exit the menu screen.

❖Press MENU button to switch to previous step on the menu screen.

Picture

Adjusting contrast, brightness, color, tint, or sharpness requires the user to switch the mode to “user”. While adjusting customized selections, only the selection and its status bar will be shown on the screen.

Example:

1.Use ▲or▼ to “Picture Mode” and press “OK”

2.Use ▲or▼ to “User” and press “OK”

3.Press ▼ to brightness and press “OK” or ► to select

4. Press ◄► to adjust the brightness.

5. Use ▲or▼ to adjust R,G,B Value Separately.

How to set the parameters in the Picture mode menu.

Function	Description	Options
Picture Mode	Mode is the selection that allow the user to choose among default video settings and customizable video settings.	User / Standard / Movies / Sports / Vivid / Recall
Brightness	Adjusts the brightness.	0-100
Saturation	Adjusts the color	0-100
Contrast	Adjusts the contrast.	0-100
Sharpness	Sharpness adjusts increase or reduce the picture performance sharpness.	0-100
Tint	Tint adjusts the natural aspect of a color.	(-10) - (+10)
RGB	This option allows user to adjust R,G,B Value Separately	R:0-100 G:0-100 B:0-100
Color Temp	This option allows the user choose among three styles of displaying colors.	COOL-The colors of the television will shift towards the blue end of the spectrum. NORMAL-The colors of the television will be nature. (unaltered) WARM-The colors of the television will shift towards the red end of the spectrum.
DNR	This is used to reduce image noise.	1.OFF-the television will not use NR. 2.Minimum- recommended use for low quality videos. 3.Medium-recommended use for medium quality videos (VCR movies/tapes). 4.Maximum- recommended use for high quality videos.
Backlight Control	Adjusts the backlight	0-10

Sound

How to set the parameters in the Sound menu

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Function	Description	Options
Sound Mode	User selects and enjoy sound mode made by factory in the favor of user's. In Standard, Movie, music and Speech mode. If changing the value of Treble, Base, Balance, go to user mode automatically.	User / Standard / Movies / Music / Speech / Recall
Treble	Adjusts the higher pitched sounds.	0-100
Bass	Adjusts the lower pitched sounds.	0-100
Balance	Adjusts the "position" of the sound. The negative end represents that the sound will lean towards the left and the positive end represents that the sound will lean towards the right.	(-50) - (+50)
AVL	This option is less sound adjusting uses at midnight.	ON/OFF
Audio Language	This is workable in only DTV broadcasting. If user select the specific language, detecting that language in DTV signal source at the real time.	English/French/Spanish
Digital Audio Out	This option lets the user choose Dolby Digital and PCM	Dolby Digital/PCM

Functions

Auto Lock

1. Press MENU button.
2. Use▲,▼/◄,► button to highlight“Functions” icon, then press “OK”
3. Choose the “Auto Lock” and press “OK” or “►".
4. When the “Enter PIN” box pops up, enter the 4 digit password

- The default password is 0000

Set Blocking

1. After get released, use ▲,▼ button to highlight “Set Blocking” icon, then press “OK”
2. Use ▲,▼ button to make a choice Either ”ON” or ”OFF”, then press

Channel Blocking

1. After get released, use ▲,▼ button to highlight “Channel Blocking” icon, then press “OK”.
2. Use ▲,▼ button to choose the channel, then press “OK” to choice lock or not.

❖Press EXIT to exit the menu screen.

❖Press MENU button to switch to previous step on the menu screen

Block by Rating

1.Use ▲,▼ button to highlight “Block by Rating” icon, then press “OK”.

2. Use ▲,▼ button to make a choice, then press “OK”.

- G
- PG
- PG-13
- R
- NC-17
- X
- NR

- TV-Y: For all children
- TV-Y7: For children above 7
- TV-G: For anyone
- TV-PG: children can watch with guardian
- TV-14: need parent guide
- TV-MA: Only for adult
- ALL: Select all functions above
- FV: Fantasy Violence
- D: Dialog (sexual)
- L: Language (abusive, sexual)
- S: Sexual
- V: violence

❖Press EXIT to exit the menu screen

❖Press MENU button to switch to previous step on the menu screen.

DTV Rating

1. Use ▲,▼ button to highlight “DTV Rating”, then press “OK”.

- This function works only in DTV input.

Setup Code

1.Use ▲,▼ button to highlight “Setup Code”, then press “OK”

2. When the box pops up, enter the new password and confirm it with entering the same number once more

❖Press EXIT to exit the menu screen.

❖Press MENU button to switch to previous step on the menu screen.

Caption

1. Press MENU button.

2. Use ▲,▼ button to highlight “Functions” icon, then press “OK”

3. Use ▲,▼ button to highlight “Caption”icon, then press “OK”

4. Use ◄,► button to highlight “Display”Always On or Off, then press “OK”

5. When “Display” is “Always On” user can choose the “Service” icon

6.Use ▲,▼ button to highlight "Service".

7. Use ◄,► button to make a choice from"CC1~CC4" 、"TXT1~ TXT4", then press " OK "

❖Press EXIT to exit the menu screen

❖Press MENU button to switch to previous step on the menu screen.

Caption Option

1. Use ▲,▼ button to highlight “Caption Option”, then press “OK”
2. Use ◄,► button to make a choice, either “Auto” or “Options”, then press “OK”
   - ◆ If choosing “Auto”, CC background and Option Text is not activated, And will follow CC saved in broadcasting information
   - ◆ If choosing “Options”. CC background and Option Text is activated.

CC Background

1.Press MENU button.

2.Use ▲,▼ button to highlight“Functions” icon, then press “OK”

3.Use ▲,▼ button to highlight “CC” Background, then press “OK”.

4.Press ▲,▼ button to make a choice from “Color” or “opacity”, then press◄,►. Can choose other forms, then press “OK”

◆ **Color:**

Auto→Black→White→Red →Green → Blue →Yellow →Mangenta→Cyan

◆ Opacity

Auto→Solid→Flashing→Translucent→ Transparent

❖Press EXIT to exit the menu screen

❖Press MENU button to switch to previous step on the menu screen

Caption Text

1. Use ▲,▼ button to highlight “Caption Text”, then press “OK”
2. When the box pops up, highlight the box (Ex. Size, Style.) that you want to make a change, then use ◄,► button to see the choices
3. After making all the choices, then press “OK”

- ◆ Caption Size:Auto→Small→Standard→Large
- ◆ Caption Style:Auto→Style1,2,3,4,5,6,7
- ◆ Text Color:Auto→Black→White→Red →Green →Blue →Yellow →Mangenta →cyan
- ◆ Text Opacity:→ Auto→Solid→Flashing→Translucent→ Transparent
- ◆ Edge Style: Auto→None→Raised→Depressed →Uniform →Drop –Shadow
- ◆ Edge Color: Auto→Black→White→Red →Green →Blue →Yellow →Mangenta →cyan
- ◆ Italic: Auto→On→Off
- ◆ Underline: Auto→On→Off

EPG View

1. Use ▲,▼ button to highlight “EPG View”, then press “OK”

- ◆ This Function works only in DTV input.

❖Press EXIT to exit the menu screen.

❖Press MENU button to switch to previous step on the menu screen.

Setup

Date/Time

1. Press Menu Button
2. Use ▲,▼ button to highlight “Setup”,then press “OK”
3. Use ▲,▼ button to highlight “Date/Time”, then press “OK”
4. Choose the "Manual", then press" OK "
5. Use ▲,▼/◄,► button to set for Date/Time

Power on Time

1. Press Menu Button
2. Use ▲,▼ button to highlight “Setup”,then press “OK”
3. Use ▲,▼ button to highlight “Power on Time”, then press “OK”
4. Choose the "Activate", then press " OK ". The user can choose the follows: Off→ Daily →Once
5. Choose the "Time", then press " OK ". The user can set the time of power on
6. Choose the "Channel", then press " OK ". The user can set the channel of power on

❖Press EXIT to exit the menu screen.

❖Press MENU button to switch to previous step on the menu screen

Power off Time

1. Press MENU Button

2.Use ▲,▼ button to highlight “Setup”, then press “OK”

3. Use ▲,▼ button to highlight “Power off Time”, then press “OK”

4. Choose the "Activate", then press " OK ". The user can choose the follows: Off→ Daily →Once

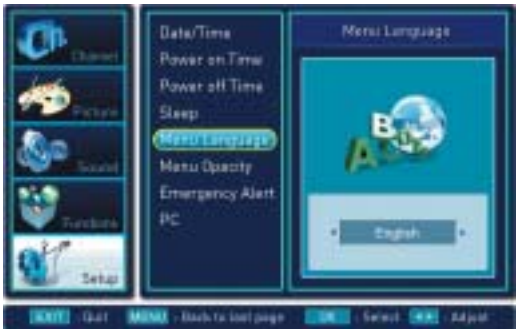
5. Choose the "Time", then press " OK ". The user can set the time of power off

Sleep

1. Press MENU button
2. Use ▲,▼ button to highlight “Setup” icon, then press “OK”
3. Use ▲,▼ button to highlight “Sleep” icon, then press “OK”
4. Use ▲,▼ button to make a choice, then press “OK”

◆ Off→15 Minutes→30 Minutes→60 Minutes →90 Minutes →120 Minutes

Menu Language



1. Press MENU button
2. Use ▲,▼ button to highlight “Setup” icon, then press “OK”
3. Use ▲,▼ button to highlight “Menu Language” icon, then press “OK”
   - ◆ English→French→Espanol

❖Press EXIT to exit the menu screen.

❖Press MENU button to switch to previous step on the menu screen

Menu Opacity

1.Press MENU Button

2.Use ▲,▼ button to highlight “Setup”,then press “OK”

3.Use ▲,▼ button to highlight “Menu Opacity”, then press “OK”

4.Use ◄,► button to set for “Menu Opacity”.

Emergency Alert

1.Press MENU Button

2.Use ▲,▼ button to highlight “Setup”,then press “OK”

3. Use ▲,▼ button to highlight“ Emergency Alert”, then press “OK”

4. Choose the "Low" or "Medium", then press " OK "

5. Use ◄,► button to set for "Present" or "Discard", then press " OK "

❖Press EXIT to exit the menu screen.

❖Press MENU button to switch to previous step on the menu screen

PC

1. Press MENU Button
2. Use ▲,▼ button to highlight “Setup”,then press “Select”
3. Use ▲,▼ button to highlight “PC”, then press “Select”
4. Choose the "Auto Adjust", then press "SELECT". Return to the factory default
5. Choose the "Hor. Center", then press "SELECT". User can adjust horizontal position.
6. Choose the "Ver. Center", then press "SELECT". User can adjust vertical position.
7. Choose the “Phase”, then press “SELECT”. User can adjust the input sampling phase for precise sample timing control
8. Choose the “Clock”, then press “SELECT”. User can adjust line locked PLL divider for generating pixel clock from input HSYNC
9. Choose the “Pref. Resolution”, then press “SELECT”. User can Preferred resolution for manually selection the input resolution among the 1024x768, 1280x768, 1360x768.
   - ◆ This Function works only in VGA input

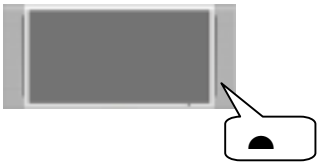
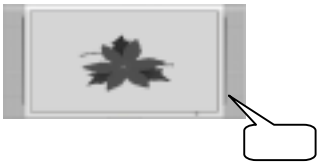
❖Press EXIT to exit the menu screen.

❖Press MENU button to switch to previous step on the menu screen

Basic Troubleshooting

Read this section to learn how to maintain and troubleshoot your LCD TV

Problem	Possible Solution
There is no picture or sound	1.Make sure the power plug is properly connected to the power outlet. 2.The channel may not have been scanned and can be re-scanned again from the setup OSD menu. 3.Make sure you have selected the correct input mode.
There is just noise	1.The antenna reception strength may be weak. 2.Reposition the antenna's placement. 3.Make sure the antenna cable is properly connected to the LCD TV set.
Color abnormal or improper.	1.Check the color adjustment in the OSD video menu.
Picture is too bright.	1. Check the brightness setting; it may be set too high. 2. Check the "Backlight" setting in the OSD options menu. The Backlight setting is to adjust the screen's backlight with respect to the environment's lighting.
Picture is too dark	1.Check the brightness and contrast level setting from the OSD video menu. 2. Check the "Backlight" setting in the OSD options menu.

Problem	Possible Solution
No picture, there is sound. 	1. Check to see if the video cable is properly connected. 2. Press the "SOURCE" button from the remote control to see if the input is correctly selected.
There is no sound. 	1. Make sure the volume level is not set to the minimum. 2. Make sure the mute function is not selected.
The picture is not sharp. 	1. The program reception may be weak . 2. Check the "Sharpness" setting in the OSD video menu. (Refer to page 29)
Remote control does not work 	1. Check the remote control's batteries. 2. Make sure there is no device near by the LCD TV generating interference. 3. Turn the TV off for 10 seconds and turn it on again.

General Specifications

LCD Panel	Screen Size	32" diagonal
	Resolution	WXGA (H) 1366 X (V) 768pixels
	Display Color	16, 777, 216 Color
	Aspect Ratio	16：9 WIDE
Input/Output	Video in/ out	1 Vp-p/75 Ω
	S-VIDEO in	Y 1 Vp-p/75 Ω, C 0.7 Vp-p/75 Ω
	Y / Pb/Cb / Pr/Cr	Y 1 Vp-p/75 Ω, Cb/Pb / Cr/Pr 0.7 Vp-p/75 Ω
	Audio L/R in/out	Input: 400 mV/47 KΩ, Output: 400 mV/600 Ω
	Analog RGB in	D-Sub X 1
	HDMI in	HDMI X 1
	PC Audio in	Phone Jack X 1
	Antenna input	75 Ω
Audio	Built-in speaker	10W X 2
Compatibility	Color Temperature	Normal/Warm/Cool
	Screen Size adjustment	Normal/Zoom/Wide
	Progressive Scan	Yes
	3-2 pull down	Yes
Compatibility	Color system	NTSC
	SDTV/HDTV	480i, 480p, 1080i, 720p
	PC	VGA/SVGA/XGA
Other	Power	AC 120V, 190W
	Operative temperature	32°F - 95°F
	Storage temperature	14°F ~ 104°F
	Dimension	①＊(W)32.32 X (D) 9.45 X (H) 24.49 inch (with speaker/stand)
		②＊(W) 40.31 X (D) 10.40 X (H) 23.39 inch (with speaker/stand)
		③＊(W) 27.00 X (D) 10.40 X (H) 32.30 inch (with speaker/stand)
	Net Weight	①＊43.6 lbs
		②＊44.2 lbs
		③＊45.1 lbs
	Gross Weight	①＊55.5 lbs
		②＊56.1 lbs
		③＊56.6 lbs

＊Refer to page 44

Pictures for different crust

①

②

③

RGB Frequency Table

The table below shows the frequency ranges supported by the LCD TV. It supports from VGA to XGA. If you are connecting your PC to the LCD TV via the RGB port, please use the following table in order to setup your PC's VGA output for maximum optimization.

Source	Resolution	Vertical Frequency (Hz)
HDMI input	640 x 480	60
	480p	60
	576p	50
	1080i	50/60
	720p	50/60
Component (Y/PbCb/PrCr)	480i	60
	480p	60
	1080i	60
	720p	60

P: positive, N: negative

Source	Resolution	Refresh Rate (Hz)	Horizontal Frequency (Khz)	Vertical Frequency (Hz)	Horizontal Sync Polarity (TTL)	Vertical Sync Polarity (TTL)
PC input	640 x 480	60	31.469	59.940	N	N
		72	37.861	72.809	N	N
		75	37.500	75.000	N	N
		85	43.269	85.008	N	N
	800 x 600	60	37.879	60.317	P	P
		72	48.077	72.188	P	P
		75	46.875	75.000	P	P
		85	53.674	85.061	P	P
	1024 x 768	60	48.363	60.004	N	N
		70	56.476	70.069	N	N
		75	60.023	75.029	P	P
	1280 x 768	60	47.770	60.000	N	P
	1360 x 768	60	47.720	60.000	N	P